

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A roughness measuring instrument (4), comprising having a roughness sensor (4), which has a sensor tip (19) for scanning a workpiece surface and has a converter, which is connected to the sensor tip (19) and converts the motion thereof into electrical signals;

having a feeder device (3), which is arranged to move the roughness sensor (19) along a path over a workpiece surface;

having a receiving device (2), which has a recess (9) for adjustably receiving the feeder device (3); and

having a testing standard (24) for testing the calibration, which is located on the receiving device (2), such that the roughness sensor, in one position of the feeder device (3), is held in a measuring position and in another position of the feeder device (3), is held in a calibrating position.

2. (Currently Amended) The roughness measuring instrument in accordance with claim 1, ~~characterized in that~~ wherein the testing standard (24) is located in the recess (9).

3. (Currently Amended) The roughness measuring instrument in accordance with claim 1, ~~characterized in that~~ wherein the testing standard (24) is formed by a body having a flat testing face (25), which has a defined roughness.

4. (Currently Amended) The roughness measuring instrument in accordance with claim 1, ~~characterized in that~~ wherein the testing standard (24) is a block-shaped body.

5. (Currently Amended) The roughness measuring instrument in accordance with claim 1, ~~characterized in that~~ wherein the testing standard (24) is of plastic.

6. (Currently Amended) The roughness measuring instrument in accordance with claim 1, ~~characterized in that~~ wherein the testing standard (24) is a molded copy of an adjustment standard.

7. (Currently Amended) The roughness measuring instrument in accordance with claim 1, ~~characterized in that~~ wherein the testing standard (24) is located in a pocket (23), which is located in the wall of the recess (9).

8. (Currently Amended) The roughness measuring instrument in accordance with claim 7, ~~characterized in that~~ wherein the testing standard (24) is located in the pocket (23) at such a depth that its testing face is located radially farther outward than the wall.

9. (Currently Amended) The roughness measuring instrument in accordance with claim 7, ~~characterized in that~~ wherein the pocket (23), extending in the longitudinal direction, is located at the orifice of the recess (9) on the face end.

10. (New) The roughness measuring instrument in accordance with claim 1, wherein the feeder device is mounted in the recess of the receiving device for both translational movement relative to the receiving device along the path over a workpiece surface and rotational movement between said measuring position wherein said sensor can engage a workpiece surface and said calibrating position wherein said sensor can engage said testing standard.

11. (New) The roughness measuring instrument in accordance with claim 10, wherein the measuring position and the calibrating position are diametrically opposed from one another.

12. (New) The roughness measuring instrument in accordance with claim 10, wherein the feeder housing and the recess are both cylindrical.

13. (New) The roughness measuring instrument in accordance with claim 10, wherein the testing standard is located in a pocket that is located in a wall of the recess.

14. (New) The roughness measuring instrument in accordance with claim 13, wherein the testing standard is located in the pocket at such a depth that its testing face is located radially farther outward than the wall of the recess.

15. (New) The roughness measuring instrument in accordance with claim 13, wherein the pocket extends in the longitudinal direction of the receiving device from an end face of the receiving device containing an orifice of the recess.